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JC20 Rec'd PCT/PTO 2 4 JUN 2003 TENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Intl.

Appl. No.: PCT/JP2003/016682

Applicant: Yasuhiro KAJIHARA et al.

Intl. Appl.

Filed: December 25, 2003

TC/A.U. : Not Assigned

Examiner : Not Assigned

Dkt. No. : TAM-054

Cust. No.: 20374

<u>INFORMATION DISCLOSURE STATEMENT</u> <u>UNDER 37 C.F.R. §1.97(b)</u>

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

June 24, 2005

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each document is attached.

No fee or statement is required in connection with this Information Disclosure Statement, since it is being submitted prior to the last of (1) issuance of a first official action on the merits and (2) expiration of the three month period following

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PATENT

filing of the above-captioned application.

Documents UA and DA to DS are in the English language. Therefore, no concise explanation of the relevance of the documents is believed to be required under 37 C.F.R. §1.98.

Document FA is not in the English language. However, the concise explanation of the relevance of the document required under 37 C.F.R. §1.98 is believed to be satisfied by the submission of an English language abstract thereof.

Please note that documents FA and DA to DS have been cited in the International Search Report of the present application. A copy of the search report is being filed concurrently herewith. The relevance of each document is also discussed in the search report.

Please also note that document UA is the corresponding U.S. Application Publication to WO 03/008431 Al which is also cited in the international search report.

The Commissioner is authorized to charge our Deposit Account

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No. 111833 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

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Attachments: PTO-1449

Twenty-one Documents

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INFO	DRMA'	ΓΙΟΝ DISCLOSUI	RE STATEM	Atty. Docket No. TAM-054 10 Sepial No. 5.				
PTO-1449					Applicant: Yasuhiro KAJIHARA et al.			
				June 24, 2	Filing Date: June 24, 2005		Group: Not assigned	
			U.S. PA	ATENT DO	CUMENTS			
Examiner's Initial		Document No.	Date	ì	Name	Class	Sub Class	Filing Date If appropriate
	UA	2004/0181054 A1	09/16/04	Kajihara et al.		536	123.13	
			FOREIGN	PATENT I	OCUMEN	TS		
Examiner's Initial		Document No.		Date		Country	Translatio	on Yes/No/Partial
	FA 7-224082 A		08/22/95	08/22/95 J		Abstrac	act	
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	DA	Shao, Ming-Chuan, "The Use of Streptavidin-Biotinylglycans as a Tool for Characterization of Oligosaccharide-Binding Specificity of Lectin", <i>Analytical Biochemistry</i> , Vol. 205, pp. 77-82, 1992.						
	DB	Fournet, Bernarad et al., "Primary structure of an N-glycosidic carbohydrate unit derived from Sophora japonica lectin", Eur. J. Biochem., Vol. 166, pp. 321-324, 1987.						
	DC	Shao, Ming-Chuan et al., "Protein Matrix Effects on Glycan Processing by Mannosidase II and Sialyl Transferase from Rat Liver", <i>Biochemistry</i> , Vol. 28, pp. 4077-4083, 1989.						
	DD	Shao, Ming-Chuan et al., "The Regulation of Glycan Processing in Glycoporteins", The Journal of Biological Chemistry, Vol. 262, No. 7, pp. 2973-2979, 1987.						
	DE	Lin, Chun-Hung et al., "Enzymatic Synthesis of a Sialyl Lewis X Dimer from Egg Yolk as an Inhibitor of E-Selectin", <i>Bioorganic & Medicinal Chemistry</i> , Vol. 3, No. 12, pp. 1625-1630, 1995.						
	DF	Leteux, Christine et al., "Biotinyl-L-3-(2-naphthyl)-alanine hydrazide derivatives of N-glycans: versatile solid-phase probes for carbohydrate-recognition studies", Glycobiology, Vol. 8, No. 3, pp. 227-236, 1998.						
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	DH	Yamamoto, Kazuo et al., "Structural Requirements for the Binding of Oligosaccharides and Glycopeptides to Immobilized Wheat Germ Agglutinin", <i>Biochemistry</i> , Vol. 20, pp. 5894-5899, 1981.						
	DI	Unverzagt, Carlo, "Chemoenzymatic synthesis of a sialylated diantennary N-glycan linked to asparagine," Carbohydrate Research, Vol. 305, pp. 423-431, 1998.						
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P:\06-05\tam-054-pto-1449.wpd Filed: June 24, 2005

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INFORMATION DISCLOSURE STATEMENT	Atty. Docket No. TAM-054	kep14061 Not assigned		
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	Filing Date: June 24, 2005	Group: Not assigned		

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DL	Seko, Akira et al. "Occurrence of a sialylglycopeptide and free sialylglycans in hen's egg yolk", <i>Biochimica et Biophysica Acta</i> , Vol. 1335, pp. 23-32, 1997.
DM	McGuire, John M. et al., "The resolution of the neutral N-linked oligosaccharides of IgG by high pH anion-exchange chromatography", Carbohydrate Research, Vol. 292, pp. 1-9, 1996.
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DP	Chiesa, M. Vittoria et al., "Syntehsis of an Asparagine-Linked Heptasaccharide - Basic Structure of N-Glycans", Eur. J. Org. Chem., pp. 3541-3554, 2000.
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DR	Brockhausen, Inka et al., "Control of glycoprotein synthesis. The use of oligosaccharide substrates and HPLC to study the sequential pathway for <i>N</i> -acetylglucosaminyltransferases I, II, III, IV, V and VI in the biosynthesis of highly branched <i>N</i> -glycans by hen oviduct membranes", <i>Biochem. Cell. Biol.</i> , Vol. 66, pp. 1134-1151, 1988.
DS	Kornfeld, Kerry et al., "The Carbohydrate-binding Specificity of Pea and Lentil Lectins", <i>The Journal of Biological Chemistry</i> , Vol. 256, No. 13, pp. 6633-6640, 1981.

Examiner:	Date Considered:

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